

Vermeer®

Hydrostatic Tractor

RTX 750



More power to handle more jobs

The Vermeer® RTX750 is a highly maneuverable machine capable of tackling projects normally reserved for larger units, allowing you to complete a wide range of jobs with a single machine.

Featuring the innovative quad track system, the RTX750 maximizes tractive effort and stability by maintaining constant four-point ground contact and providing full power to all four tracks. What's more, the quad track system integrates many of the features commonly associated with rubber tire units such as four-wheel steer and crab steering to enhance maneuverability.

The specialized undercarriage system offers additional versatility by also fitting rubber tires, depending on your application needs. When equipped with tires and rear steer, the RTX750 has an outside turning radius of only 16.8 feet (5.1 m), which is ideal on confined jobsites.

Attachment controls on the RTX750 operator's station are located within easy reach on the right side of the tractor, including creep control dials. The RTX750 is available with vibratory plow, combo trencher/plow, center-mount trencher, reel carrier, backfill blade and backhoe attachments.

Discover new opportunities with more power and more traction in the size you need.



An integrated system display toggles through machine diagnostics including engine rpm, fuel, battery voltage, engine water temperature and engine hours. When in either ground drive or using a rear attachment, the display indicates the percentage of the hydrostatic capacity being utilized, allowing the operator to easily monitor important machine functions.



The RTX750 with rubber tires has a near identical footprint to the Vermeer RT650, allowing those customers to utilize their existing trailer.



The rubber quad track system offers improved flotation, reduced surface damage, increased tractive effort and greater stability, with relatively no breakover point. Four-wheel steer and crab steering, usually available only on rubber tire units, are functional with the patent-pending quad track system.



Increased Traction and Greater Stability



An automotive-style hood helps maximize visibility during backfilling and transport and offers easy access to engine service points without detaching shields. Improved visibility while backfilling and in transport can help boost productivity.



The rotating operator's station and all attachment controls manually rotate 90 degrees for improved operator visibility of the rear attachment and enhanced operator comfort.

RTX750 Attachments



Reel carrier. A 2.25" (5.7 cm) diameter reel shaft supports up to a 1500 lb (680.4 kg) reel.



Plow. Attachment installs product up to 36" (91.4 cm) in depth with a maximum shaker force of 24,000 lb (10,886 kg) and a 30-degree swing angle.



Combo trencher/plow. Multi-use rear attachment can plow depths up to 30" (76.2 cm) and trench depths up to 60" (152.4 cm).



Trencher. The hydrostatic-driven center-mount trencher has a maximum digging depth of 60" (152.4 cm) and width of 12" (30.5 cm).

Backhoe. Features a maximum digging depth of 96.8" (245.9 cm) with a swing arc of 170 degrees.

Backfill blade. The blade has a width of 79" (201 cm) with quad tracks, 72" (182.9 cm) with tires, a 30-degree swing angle and a tilt angle of 12 degrees.



RTX750 Specifications

General

Weight (quad tracks, tractor and 6-way backfill blade): 9330 lb (4232 kg)
Weight (tires, tractor and 6-way backfill blade): 5900 lb (2676.2 kg)
Weight (fluid-filled tires, tractor and 6-way backfill blade): 7128 lb (3233.2 kg)
Length (tires, tractor and 6-way backfill blade): 10.5' (3.2 m)
Length (quad tracks, tractor and 6-way backfill blade): 11.08' (3.4 m)
Width (quad tracks): 78.5" (199.4 cm)
Width (tires): 72" (182.9 cm)
Height (2-post): 100.25" (254.6 cm)
Wheelbase from centerline of axles: 61" (154.9 cm)
Tread width (c/l to c/l, rubber tires): 56" (142 cm)
Tread width (c/l to c/l, quad tracks): 60.5" (154 cm)
Ground clearance: 12" (30.5 cm)

Capacities

Fuel tank: 27 gal (102.2 L)

Engine

Make and model: Cummins B3.3 TAA
Horsepower @ 2600 rpm (gross): 75 hp (55.9 kW)
Horsepower @ 2600 rpm (net): 67 hp (50 kW)
Max torque @ 1600 rpm: 209 ft-lb (283.4 Nm)
Displacement: 199 cu in (3.3 L)
Number of cylinders: 4
Cooling medium: Water
Compression ratio: 17.3:1
Max engine operating angle (fore/aft/left/right): 35°
Fuel type: Diesel
Air cleaner: 8" (20.3 cm) with safety element

**Engine operating angles do not indicate safe machine operating angles.*

Hydraulics

Auxiliary gpm @ 2600 rpm: 19.38 gpm (73.3 L/min)
Auxiliary pump relief pressure: 2500 psi (172.4 bar)
Ground drive pump gpm @ 2500 rpm: 35 gpm (132.5 L/min)
Ground drive relief pressure: 4350 psi (299.9 bar)
Attachment pump gpm @ 2600 rpm: 35 gpm (132.5 L/min)
Attachment pump relief trencher / FWD: 5500 psi (385 bar)
Attachment pump gpm trencher / FWD @ 2500 rpm: 35 gpm (132.5 L/min)
Attachment pump relief trencher / REV: 3000 psi (206.8 bar)
Attachment pump relief plow / REV: 3000 psi (206.8 bar)
Hydraulic tank: 23 gal (87.1 L)
Hydraulic system: 25 gal (94.6 L)

Ground Drive

Pump type: Variable Displacement Axial Piston Pump
Creep override: Yes
Forward / reverse foot pedal control: Yes
Number of track assemblies (optional): 4

Traction Options

Rubber quad track system
Width: 17.75" (45.1 cm)
Length: 35" (88.9 cm)
Max transport speed: 4 mph (6.4 km/hr)
Max creep speed: 1.5 mph (2.4 km/hr)
Ground pressure (tractor, 6-way plow and backhoe): 5.2 psi (0.36 bar)
Rubber tires
Tire size: 38" x 14" (96.5 cm x 35.6 cm)
Max transport speed: 5 mph (8 km/hr)
Max creep speed: 2 mph (3.2 km/hr)
Ground pressure (tractor, plow, 6-way backfill blade and backhoe): 23 psi (1.6 bar)

Axle

Front type: Steerable planetary with hydraulic differential lock
Rear type: Steerable planetary with hydraulic differential lock
Outside turning diameter (rubber quad tracks, front and rear steer): 23' (7 m)
Outside turning diameter (tires, front and rear steer): 16.8' (5.1 m)

Brakes

Primary service: Hydrostatic
Secondary service: Hydraulic actuated wet multi-disc

Center-Mount Trencher

Max transport length: 84" (213.4 cm)
Max transport height: 11.3' (3.4 m)
Max digging depth: 60" (152.4 cm)
Max digging width: 12" (30.5 cm)
Min digging width: 6" (15.2 cm)

Plow

Weight without blade: 1500 lb (680.4 kg)
Max transport length: 74.3" (188.7 cm)
Max transport height: 87.4" (222 cm)
Max plow depth (rubber quad tracks): 36" (91.4 cm)
Max plow depth (rubber tires): 30" (76.2 cm)

Combo Attachment (rubber tire only)

Max transport length: 86" (218.4 cm)
Max transport height: 93" (236.2 cm)
Max plow depth: 30" (76.2 cm)
Max trencher digging depth: 60" (152.4 cm)
Max trencher cutting width: 8" (20.3 cm)

Reel Carrier

Weight: 467 lb (211.9 kg)
Max diameter reel with backfill blade: 56" (142.2 cm)
Max reel width: 40.5" (102.9 cm)
Reel shaft diameter: 2.25" (5.7 cm)
Capacity: 1500 lb (680.4 kg)

Backhoe

Weight (with largest bucket): 2200 lb (998 kg)
Max transport height: 109.5" (278 cm)
Max digging depth: 96.8" (245.9 cm)
Swing arc: 170°

Backfill Blade

Weight: 600 lb (272.2 kg)
Max width (tires): 72" (182.9 cm)
Max width (quad tracks): 79" (201 cm)
Height: 14.6" (37.1 cm)
Max lift above ground: 25.6" (65 cm)
Max drop below ground: 16.3" (41.4 cm)



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